

## Specifications for Olympus FV1000-Spectral Confocal System

Detectors:	2 Spectral and 2 Filter-based fluorescence PMT detectors and one transmitted, DIC detector	
Upright Microscope:	Olympus BX61F/BX62F	
Available Objectives:	UPLSAPO 10x, N.A. 0.4 UPLSAPO 20x Oil, N.A. 0.85 UPLFLN 40x Oil, N.A. 1.3 PLAPONSC 60x Oil, N.A. 1.4 UPLSAPO 100x Oil, N.A. 1.4	
Laser wavelengths:	HeNe1 (543 nm) , HeNe2 (633 nm), Argon/2 laser (458, 477, 488, 514 nm), and 405nm Diode laser	
Excitation Dichroics:	BS 20/80, DM 405/488 DM 458/515 DM 405/488/543/633 DM 488/543/633	
<b>Detector 1: Dichroics and Barrier filters</b>	SDM560 SDM510 SDM490	Spectral 480-800 in 100nm increments
<b>Detector 2: Dichroics and Barrier filters</b>	SDM560	Spectral 480-800 in 100nm increments
<b>Detector 3: Dichroics and Barrier filters</b>	SDM640	BA560-620 BA560-660
<b>Detector 4: Dichroics and Barrier filters</b>		BA 655-755
Pinhole:	adjustable in 0.5µm step increments	
Image info:	OIB or OIF Olympus format, 12 bit gray scale 24 bit color JPEG/BMP/TIFF/AVI image formats also available Pixel resolution formats range from 64x64 up to 4096x4096	

Manufacturers Website: <http://www.olympusfluoview.com/brochures/pdfs/FV1000.pdf>